BOSSCOM

User manual

BOSSCOM Internet-Radio

For Bang & Olufsen Controlled

12818090

by B&O Remote Control

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Everyday Control with Beo4, Beo5, Beo6

GO Select

▼ ▲ Maneuvering in menus

◀◀ ▶▶ Maneuvering in menus

STOP STOP Power on/ off

Menu

Favorite list

Store favorite

Mode – Internet/ UPnP

0 – 9 Select a preset program. *1

*1
Up to 250 channels can be stored in memory.
A preset channel is selected by entering one, two or three digits.

Everyday Control with BeoLink 1000

PLAY Select

▲ ▼ Maneuvering in menus

« » Maneuvering in menus

STOP STOP Power on/ off

STOP » Menu

STOP « Favorite list

STOP ▲ Store – favorite

STOP ▼ Mode – Internet/ UPnP

0 – 9 Select a preset program. *1

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Internet-Radio is equipped with a 7 pin DIN DataLink cable for connection to Bang & Olufsen equipment. Thus an adaptor cable is required for connection to equipment not having a DIN input socket. See below examples and the **Option Programming** section page 8.

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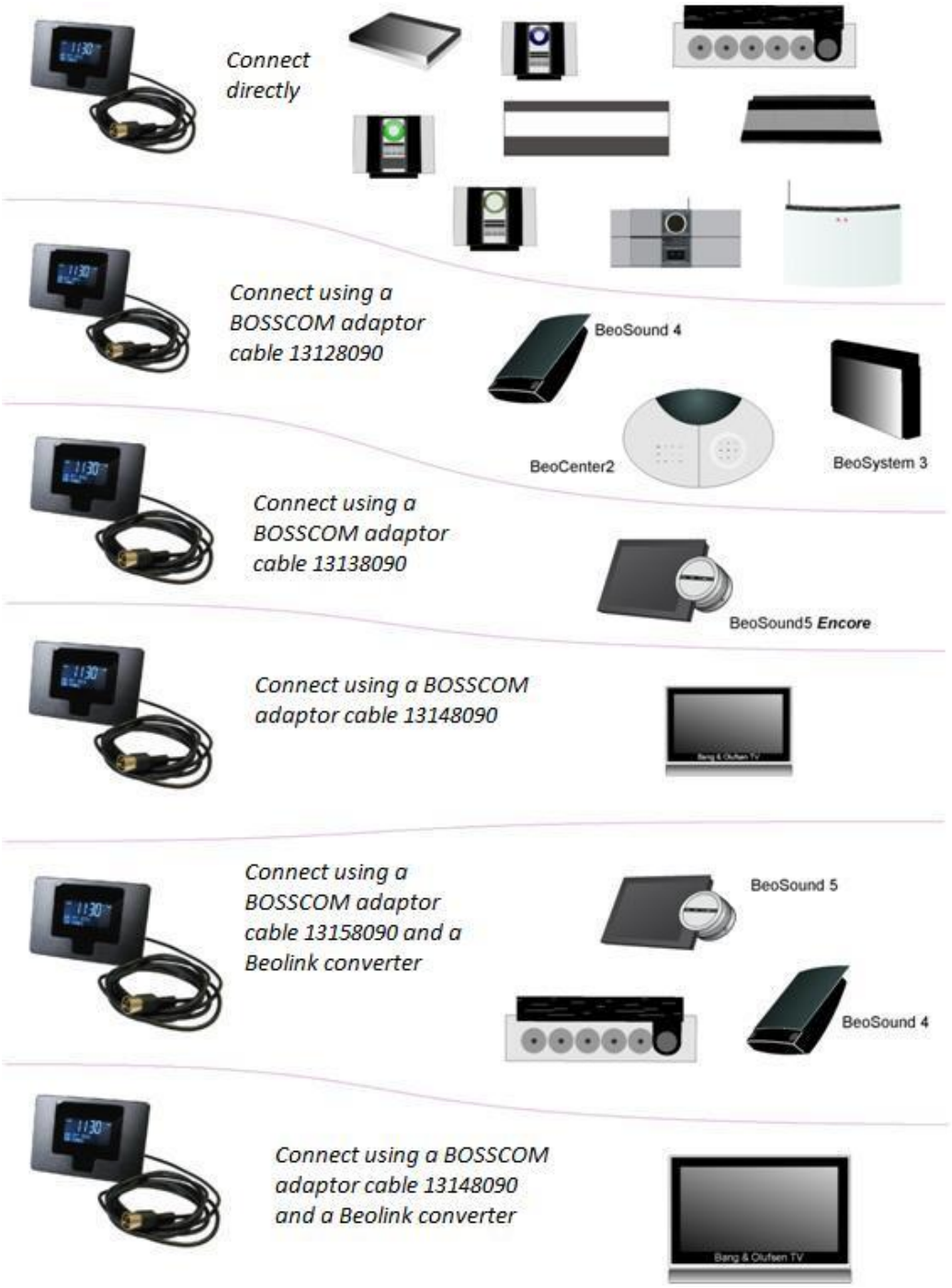
Getting Started

This BOSSCOM Internet-Radio has been designed for operation in a Bang & Olufsen remote control system allowing full control with a Bang & Olufsen remote control terminal either directly or via connection to Bang & Olufsen equipment.

Thus the Internet-Radio is BeoLink compatible.


Connect directly
Connect using a BOSSCOM adaptor cable 13128090
BeoSound 4
BeoCenter2
BeoSystem 3
Connect using a BOSSCOM adaptor cable 13138090
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Connect using a BOSSCOM adaptor cable 13158090 and a Beolink converter
BeoSound 5
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Bang & Olufsen TV

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Direct Mode or CableLink Mode

The BOSSCOM Internet-Radio tuner is connected to Bang & Olufsen equipment via the 7-pin DIN cable with or without adaptor, and through option programming it may be controlled as follows:

1. **Via the tuner's built in IR-receiver, "Direct Mode"**
   Direct Mode is used when connection to an input with control data is ***not*** possible.

2. **Via the cable connected Bang & Olufsen equipment, "CableLink Mode"**
   CableLink Mode is used only when connection to an input with control data is possible.

- See page 8 for **Option Programming.**

Factory Settings

The factory setting is for "Direct Mode" and manual power control.

The factory setting for input socket and selected source is:

Remote control	Source
Beo4, Beo5 or Beo6	N.MUSIC, A.MEM2 or TAPE2
BeoLink 1000	SHIFT A.TAPE

If the Internet-Radio tuner is connected to a *different* input, the option should be programmed accordingly.
See page 8 for **Option Programming.**

Functions

My MediaU

When logging into http://www.mediayou.net favorite lists for Internet-Radio may be created. By the first log in an Internet-Radio account needs to be created. The account is free of charge.

Create a MediaU Account.

1. Log into the home page and create an account.
2. Fill in the Internet-Radio's serial number, which is the so called MAC address found in the Internet-Radio/ Main Menu/Information Center/System Information/Wireless MAC.
   A MAC address is 12 alfa-numerics.
3. Press to get to the main menu.
4. The MediaU list for Internet-Radio is visible and may be accessed.

Internet Radio

Create a List of Favorite Stations.

250 favorite stations may be stored in the Internet-Radio.

1. Press and select Internet Radio with .
2. Select a station from one of the sub-menus, like Local Radio/Denmark/DAB.
3. Press to store the favorite list.
4. Move the station to the desired place in the list and press to store this location.

   These menus allow for name change of stations, removal or relocation in the favorite list, but these activities are a lot easier via the internet and a MediaU account as described above.

Media Center

UPnP, Play Music from PCs on the LAN.

1. Select Main Menu with
2. Select Mediacenter/ UPnP
3. Show lists with accessible files with
4. Select the desired file.

Installation

Internet-Radio, Initial Set Up

Connect the Internet-Radio tuner's external power supply to a mains outlet and to the tuner's DC-socket.

1) Turn on the tuner's power switch on the cabinet's rear.
2) Turn on Internet-Radio by pressing **N.MUSIC**, **A.MEM2** or **TAPE2** followed by STOP STOP.
   See Option Programming p.8 if another source selection is requested.
3) Connect the tuner to the corresponding input socket of the Bang & Olufsen equipment.
4) Select the chosen source on the Bang & Olufsen remote.

Internet-Radio is starting up and is scanning for networks.

1. Having completed the scanning all available "ESSIDs" are listed. Select the desired one.
2. If the selected network is locked, a password has to be entered.
   Internet-Radio supports WEP (Wired Equivalent Privacy) and WPA (Wi-Fi Protected Access).

Setting Date and Clock

1. Select Main Menu with
2. Select /Configuration/Date & Time with ▸▸
3. Select the desired date, time, 12/24 hours, GMT, Daylight Saving Time etc

Buffer

1. Select Main Menu with
2. Select /Configuration/Buffer with ▸▸
3. Select the desired values for the buffer.

Language

1. Select Main Menu with
2. Select /Configuration/Language with ▸▸
3. Select the desired display language.

Factory Settings

1. Select Main Menu with
2. Select /Configuration/Reset to Default with ▸▸
3. Select YES to reset Internet-Radio to the factory settings.

Internet-Radio Connection to Bang & Olufsen Equipment

This BOSSCOM Internet-Radio tuner connects to ALL Bang & Olufsen equipment having a vacant audio input, like BeoSound, BeoCenter, BeoMaster, BeoSystem or BeoVision TV, and it is controlled by a Bang & Olufsen remote control terminal. Internet-Radio may be connected to any equipment of other brands too, but it requires control by a Bang & Olufsen remote.

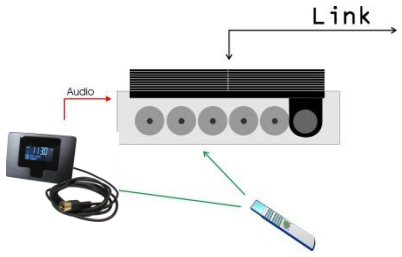
Over the years Bang & Olufsen has added, removed or renamed inputs for peripherals and in the most recent remote controls N.Music has replaced the earlier SHIFT- A.TAPE or A.TAPE2.

Below tables list various Bang & Olufsen equipment with specified inputs, names and the corresponding source selection to be used when opening an input. This enables selection of any named Bang & Olufsen product, its input, the corresponding Internet-Radio option and the remote command that allows for control of the tuner.

Some inputs allow for selection of a CableLink option, but most of the more recent Bang & Olufsen products require a Direct Mode option, i.e. direct control of the Internet-Radio. Alternatively see the application of BeoLink Converter p. 15.

Direct Control, “Direct Mode”

The Internet-Radio is controlled directly by a Bang & Olufsen remote control terminal. Thus control from a link room is NOT possible, but the Internet-Radio may be listened to anywhere, when it has been selected as a source.

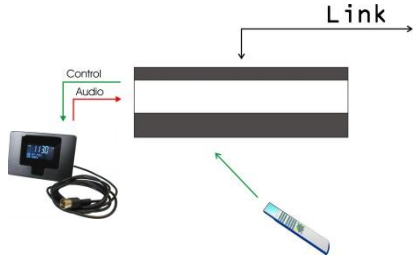


Direct Mode

Direct Mode may be used in any Bang & Olufsen system.
The Internet-Radio tuner’s IR receiver is not plasma safe.

Indirect control, ”CableLink Mode”

The Internet-Radio is controlled with a Bang & Olufsen remote via the connected Bang & Olufsen equipment that relays control commands via the connection cable. The Internet-Radio may be controlled from any connected link room.



CableLink

The CableLink option allows for control from any link room.

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Option Programming

Option programming is required only when installing the tuner. The programming is performed with a Bang & Olufsen remote control terminal by initiating a 5 key sequence within 8 seconds after powering up the tuner.

When powering up the tuner the red control LED flashes for 8 seconds, and the programming has to be carried out before the control LED stops flashing**.** When entering a key stroke the timeout is prolonged with another 8 seconds.

If not successful the operation may be repeated. Programming starts by pressing LIGHT and ends by pressing ● All options have 3 digits to be entered in between.

Option 106 is entered like this:

LIGHT *1 1 0 6 ●

Control LED indications
Red/green flash By initial power up the LED starts flashing red/green, indicating that the tuner is in Option Programming mode, i.e. an option may be entered. The Option Programming Mode is terminated after 30 secs. or prior hereto, if any command except for 0 - 9, ●, or LIGHT is received.
Red The tuner is ready for control.
Intermittently turned off The LED turns off very briefly as a command handshake indicator.

**1 If using a Beolink1000 remote control, LIGHT must be replaced with SHIFT-LINK.*

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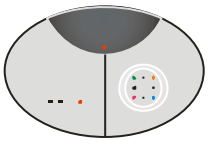
Source & Option Selection

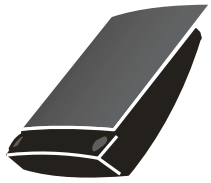
The following tables show the available input sockets on various Bang & Olufsen audio and video products, how to select them using a remote control terminal and what the corresponding option program of the One Remote Internet-Radio tuner should be.

The BOSSCOM Internet-Radio tuner has to be programmed with the right option to operate correctly:

	Input Socket	Source Selected	Direct Option	CableLink Option	Remarks
BeoSound 5	MasterLink	VTAPE VMEM	-	410	If the MasterLink socket is not used, the Internet-Radio tuner might be connected and operated via a BeoLink Converter. See page 15 for details on connection of the BeoLink Converter 1611.
		DTV SAT	-	416	
		VAUX	-	412	

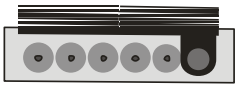
	Input Socket	Source Selected	Direct Option	CableLink Option	Remarks
BeoSound 5 Encore	LINE-IN	AAUX SHIFT RADIO	100	-	The Encore input is a mini jack socket. Use a BOSSCOM adaptor cable item 13138090.

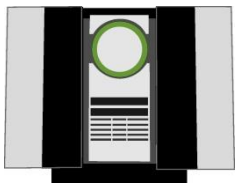
	Input Socket	Source Selected	Direct Option	CableLink Option	Remarks
BeoCenter 2 	AUX-IN	AAUX SHIFT RADIO	100	-	The input is RCA phono sockets. Use a BOSSCOM adaptor cable item 13128090.

	Input Socket	Source Selected	Direct Option	CableLink Option	Remarks
BeoSound 4 	AUX	AAUX SHIFT RADIO	100	-	The input is RCA phono sockets. Use a BOSSCOM adaptor cable item 13128090.
	MasterLink	VMEM VTAPE	-	410	If the MasterLink socket is not used, the Internet-Radio tuner might be connected and operated via a BeoLink Converter. See page 15 for details on connection of the BeoLink Converter 1611.
		DTV SAT	-	416	
		VAUX	-	412	

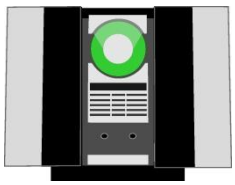
	Input Socket	Source Selected	Direct Option	CableLink Option	Remarks
BeoSound 1	AUX	AAUX SHIFT RADIO	100	-	
	AUX	AMEM ATAPE	102	-	

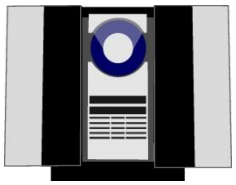
	Input Socket	Source Selected	Direct Option	CableLink Option	Remarks
BeoSound Century	AUX	NMUSIC AMEM2 SHIFT ATAPE	103	-	
	AUX	NRADIO PHONO	106	-	
	AUX	AAUX SHIFT RADIO	100	-	

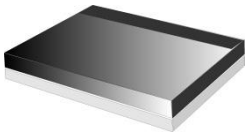
	Input Socket	Source Selected	Direct Option	CableLink Option	Remarks
BeoSound 9000 	AUX	AAUX SHIFT RADIO	100	-	
	AUX	AMEM ATAPE	102	-	

	Input Socket	Source Selected	Direct Option	CableLink Option	Remarks
BeoSound 3000 **BeoSound 3200** 	AUX	AAUX SHIFT RADIO	100	-	
	AUX	AMEM ATAPE	102	-	
	AUX	NMUSIC AMEM2 SHIFT ATAPE	103	-	
	AUX	NRADIO PHONO	106	-	

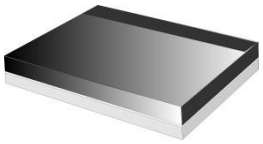
	Input Socket	Source Selected	Direct Option	CableLink Option	Remarks
BeoSound Ouverture	AUX	NMUSIC AMEM2 SHIFT ATAPE	103	302	In the CableLink mode numeric commands are not accepted.
	AUX	NRADIO PHONO	106	206	In the CableLink mode numeric commands are not accepted.
	AUX	AAUX SHIFT RADIO	100	-	In the CableLink mode numeric commands are not accepted.
	MasterLink	VMEM VTAPE	-	410	If the MasterLink socket is not used, the Internet-Radio tuner might be connected and operated via a BeoLink Converter. See page 15 for details on connection of the BeoLink Converter 1611.
		DTV SAT	-	416	
		VAUX	-	412	

	Input Socket	Source Selected	Direct Option	CableLink Option	Remarks
BeoSystem 2500 **BeoCenter 2500** 	AUX	AAUX SHIFT RADIO	100	-	In the CableLink mode numeric commands are not accepted.
	AUX	NMUSIC AMEM2 SHIFT ATAPE	103	302	In the CableLink mode numeric commands are not accepted.
	AUX	NRADIO PHONO	106	206	In the CableLink mode numeric commands are not accepted.

	Input Socket	Source Selected	Direct Option	CableLink Option	Remarks
BeoCenter 2300 	AUX	AAUX SHIFT RADIO	100	300	In the CableLink mode numeric commands are not accepted.
	AUX	AMEM ATAPE	102	302	In the CableLink mode numeric commands are not accepted.
	AUX	NMUSIC AMEM2 SHIFT ATAPE	103	303	In the CableLink mode numeric commands are not accepted.
	AUX	NRADIO PHONO	106	306	In the CableLink mode numeric commands are not accepted.

	Input Socket	Source Selected	Direct Option	CableLink Option	Remarks
BeoMaster 3300 **BeoMaster 5500** 	TP	AMEM ATAPE	102	302	In the CableLink mode numeric commands are not accepted.
	CD	CD	104	204	In the CableLink mode numeric commands are not accepted.

	Input Socket	Source Selected	Direct Option	CableLink Option	Remarks
BeoMaster 3500 **BeoMaster 4500** 	TP1	AMEM ATAPE	102	302	In the CableLink mode numeric commands are not accepted.
	CD	CD	104	204	In the CableLink mode numeric commands are not accepted.
	TP2	NMUSIC AMEM2 SHIFT ATAPE	103	302	In the CableLink mode numeric commands are not accepted.
	PHONO	NRADIO PHONO	106	206	In the CableLink mode numeric commands are not accepted.

	Input Socket	Source Selected	Direct Option	CableLink Option	Remarks
BeoMaster 6500 **BeoMaster 7000** 	TP1	AMEM ATAPE	102	302	
	CD	CD	104	204	
	TP2	NMUSIC AMEM2 SHIFT ATAPE	103	302	
	PHONO	NRADIO PHONO	106	206	

	Input Socket	Source Selected	Direct Option	CableLink Option	Remarks
BeoCenter 8000 	TAPE2	NMUSIC AMEM2 SHIFT ATAPE	103	302	In the CableLink mode numeric commands are not accepted.

	Input Socket	Source Selected	Direct Option	CableLink Option	Remarks
BeoCenter 8500 **BeoCenter 9000** **BeoCenter 9500**	TAPE2	NMUSIC AMEM2 SHIFT ATAPE	103	302	In the CableLink mode numeric commands are not accepted.
	AUX	AAUX	100	-	

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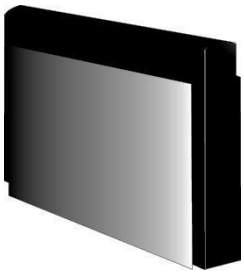
	Input Socket	Source Selected	Direct Option	CableLink Option	Remarks
BeoCenter 9300	PHONO	NRADIO PHONO	106	206	In the CableLink mode numeric commands are not accepted.
	TAPE2	NMUSIC AMEM2 SHIFT ATAPE	103	302	In the CableLink mode numeric commands are not accepted.
	AUX	AAUX	100	-	

	Input Socket	Source Selected	Direct Option	CableLink Option	Remarks
BeoSystem 3 	AV1 AV2 AV3	VMEM DVD VAUX	-	410 414 412	The input is a scart socket, 21 pin AV socket. Use a BOSSCOM adaptor cable item 13148090.
	AV4 AV5 AV6	VMEM DVD VAUX	-	410 414 412	The input is RCA phono sockets. Use a BOSSCOM adaptor cable item 13128090.
	MasterLink	RADIO etc.	-		If the socket is not used, the Internet-Radio tuner might be connected and operated via a BeoLink Converter. See page 15 for details on connection of the BeoLink Converter 1611.

Connection via a BeoLink Converter 1611/ 1612

The BOSSCOM Internet-Radio tuner may be connected to a Bang & Olufsen stand-alone audio or video master, TV, via a BeoLink Converter using MasterLink and the AAL inputs. Connected to an audio master and programmed as a ”video source” the Internet-Radio may be selected as that, VMEM as an example. Connected to a video master and programmed as an “audio source” the Internet-Radio may be selected as that, ATAPE as an example. Notice that the Bang & Olufsen equipment has to be programmed in option 2. See the relevant Bang & Olufsen user guide.

	Input Socket	Source Selected	Direct Option	CableLink Option	Remarks
BeoLink Converter 1611 or 1612 used with a Bang & Olufsen audio master and the Internet-Radio.	AAL	VMEM VTAPE	-	410	The Internet-Radio connects to the BeoLink Converter with a BOSSCOM adaptor cable item 13158090.
	AAL	VAUX	-	412	
	AAL	DVD	-	414	
	AAL	DTV SAT	-	416	
	The BeoLink Converter 1611 connects to a stand-alone Bang & Olufsen audio master with a MasterLink cable. Connection of more Bang & Olufsen equipment might create control conflicts.				

	Input Socket	Source Selected	Direct Option	CableLink Option	Remarks
BeoLink Converter 1611 or 1612 used with a Bang & Olufsen TV and the Internet-Radio.	AAL	AMEM ATAPE	-	402	The Internet-Radio connects to the BeoLink Converter with a BOSSCOM adaptor cable item 13168090.
	AAL	CD	-	404	
	AAL	NRADIO PHONO	-	406	
	AAL	RADIO	-	408	
	The BeoLink Converter 1611 connects to a stand-alone Bang & Olufsen TV with a MasterLink cable. Connection of more Bang & Olufsen equipment might create control conflicts.				

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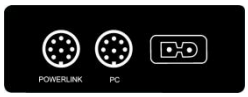
Connection via a BeoLink Active in any Link Room

The BOSSCOM Internet-Radio tuner may be connected to a Bang & Olufsen BeoLink Active with a vacant 'PC' socket.

Thus active speakers in any link room allow for the installation of the Internet-Radio tuner and the opportunity of having a local radio source controlled directly with the Bang & Olufsen remote control terminal.

	Input Socket	Source Selected	Direct Option	CableLink Option	Remarks
BeoLink Active 	PC	PC SHIFT STORE	118	-	The Internet-Radio connects to the BeoLink Active with a BOSSCOM PCSNUT adaptor cable item 39207436.

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Connection to a 21 Pin AV Socket on any Bang & Olufsen TV

	Input Socket	Source Selected	Direct Option	CableLink Option	Remarks
All B&O TV models **BeoVision 10** **BeoVision 8** **BeoVision 7** **BeoVision 6** **BeoVision 4** **BeoVision 3** **BeoVision 1** **BeoSystem 3** **Avant models** **LX models** **LE models** **LS models** **L models** **MX models** **ME models**	Scart AV1 - AV6 *NOT the DECODER input!!*	VMEM VTAPE	110	410	The input is a scart socket, a 21 pin AV socket. Use a BOSSCOM adaptor cable item 13148090. Check the TV user guide for programming of the AV connections.
		VMEM2 VTAPE2 SHIFT VTAPE	110	410	
		DTV SAT	116	416	
		VAUX	112	412	
		DVD	114	414	

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